

The Relationship between Knowledge Management and Trust: Malaysian Perspective

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Abstract

Delivering professional service to its clients, knowledge is auditing firm's core capital. In conducting its practices and businesses, auditing firms not only capture knowledge within its organization, among its own people but also capturing and protecting the information of their clients. The nature of auditing firms somehow rather controls the flow of knowledge in the firms. Knowledge management is crucial especially for knowledge-intensive firms that utilize and capitalize knowledge in all its transactions. The challenges are to highlights the knowledge management factors in auditing firms and how much knowledge management contributes to their organizational effectiveness. This empirical study reveals that knowledge dissemination, knowledge storing and knowledge protection are more prominent in this type of industry. In addition, trust played a very crucial role in knowledge flow. Knowledge dissemination was found as a main contributor toward organizational effectiveness and trust prevails as important factor in knowledge management applications in the industry.

1.0 Introduction

The resource- and knowledge based views of the firm have prompted strategy researchers to focus on value creation, as opposed to value appropriation (Conner and Prahalad, 1996; Kogut and Zander, 1996; Nahapiet and Ghosal, 1998). Strategy and entrepreneurship researches share an interest in resource acquisition, sharing, and exploitation for the purpose of value creation (Yli-Renko et al, 2001). Of the various resources available to the firm, knowledge is arguably the most important (Spender, 1996). By highlighting the important links of knowledge management, trust and organizational effectiveness in auditing firms, this research is to contribute a further convergence between the domains of knowledge management and entrepreneurship research.

Knowledge lies in human minds and exists only if there is a human mind to the knowing (Widen-Wulff and Suomi,

2007). There are three dimensions of knowledge: width, depth and tacitness (Nooteboom, 1993). Knowledge can be created by intentional and resource-consuming efforts (Du et al, 2007). The neglect of the tacit knowledge based on people and ideas has undoubtedly reduced the corporate market place's capability for true innovation and sustainable competitiveness (Gamble and Blackwell, 2001). According to Alavi and Leidner (2001), knowledge management is largely regarded as a process involving various activities and at minimum, four basic processes of creating, storing/retrieving, transferring and applying knowledge must exist. Knowledge management is about managing the knowledge that individual have.

In commercial environment, knowledge must be put into work in three primary areas; customer needs, concern processes and body of knowledge (Gamble and Blackwell, 2000). Every members of the organization must understand how his or her work contributes to fulfilling customer needs and how the products and services of the enterprise provide customer value. Then members of the organization must understand how his or her work relates to the work of others. The last part of the process is the flow of knowledge that every person must understand, to varying degrees, something about the subject matter with which members of the organization deal. This requires deeper knowledge of relationships and meanings both within the enterprise and the outside world. Therefore, business idea is considered successful when it delivers value and profit. Knowledge must be continuously flowing in the organization. As long there is a stock of knowledge, during any period of time, flow of knowledge should take place (Stewart, 2000). Making knowledge available to others and capturing a new knowledge as well has been described by Nonaka (1991) as spiral of knowledge. Nonaka and Takeuchi (1995) examine the concept in terms of a knowledge spiral encompassing four basic patterns of interaction between tacit and explicit knowledge: socialization, externalization, combination and internalization. The flow of knowledge from individual to another resulted in collective efforts in completing their audit projects thus enhance organizational effectiveness. This knowledge spiral consists of knowledge acquisition,

conversion, application, storage, dissemination and protection. Auditing firms have two challenges in managing their knowledge: the changing nature of knowledge and information services required by their clients and the changing nature of knowledge and information required to satisfy their knowledge employees (Taylor et al, 2001). Knowledge intensive firms like auditing firms cited knowledge as their core capital for their business (Dunford, 2000).

“Knowledge capital is our most valuable asset and it drives our organization. It’s what we sell” (George Shaheen, Managing Partner/CEO, Andersen Consulting, 1998, p. 1) (Dunford, 2000).

“Knowledge is the lifeblood of McKinsey (Rajat Gupta, Managing Director, McKinsey and Company, quoted in Bartlett, 1998, p.1)

Knowledge intensive firms that are depending on knowledge capital consider knowledge management to be a core capability for achieving competitive advantage (Chard, 1997; Pasternack and Viscio, 1998). Large and established auditing firms like Andersen and Ernst and Young spends about 6 percent of its revenue on knowledge management (Davenport and Prusak, 1998). These large auditing firms have created a system to ensure the success of knowledge management in their firms. KPMT has developed the knowledge management process comprised six stages:

1. acquisition (collecting, synthesizing and interpreting of information from diverse sources from external and internal sources)
2. indexing (development of classification schemes)
3. filtering (screening information for its importance)
4. linking (connecting related information)
5. distribution; and
6. Application.

However, while expectation is high, many knowledge management projects failed (Davenport et al, 1998) and knowledge management remains a major challenge to consulting firms (Dunford, 2000). Fahey and Prusak (Dunford, 2000) listed eleven deadliest sins of knowledge management as shown below (Table 1).

In auditing firms, the employees are sharing common knowledge that is known to all members of organization (Desouza and Awazu, 2006). When knowledge is considered an asset for individuals, trust plays a major role in knowledge management activities.

Table 1: Deadliest sins of knowledge management

Error	Description
1	Not developing a working definition of knowledge
2	Emphasizing knowledge stock to the detriment of knowledge flow
3	Viewing knowledge as existing predominantly outside the heads of individuals
4	Not understanding that a fundamental intermediate purpose of managing knowledge is to create shared context
5	Paying little heed to the role and importance of tacit knowledge
6	Disentangling knowledge from its uses
7	Downplaying thinking and reasoning
8	Focusing on the past and the present and not the future
9	Failing to recognize the importance of experimentation
10	Substituting technological contact for human interface
11	Seeking to develop direct measures of knowledge

“The greater the level of trust within a company, the greater the likelihood of cooperation. And cooperation itself breeds trust” (Putnam, 1993, p.171). According to De Tienne et al (2004), transformation of knowledge occurs when individuals communicate and interact in order to synthesize their individual knowledge, then distribution occurs when agreed-upon knowledge and competencies are used repeatedly and subsequently embodied into the organization’s norms and values or culture. Finally integration occurs when the organization successfully captures external knowledge and then successfully integrates it with internal knowledge (De Tienne, 2004). According to Snowden (2000) trust is the most critical prerequisite for knowledge exchange. This is supported by Davenport and Prusak (1998) that without trust, knowledge initiatives will fail, regardless of how thoroughly they are supported by technology or rhetoric. For knowledge market to operate in an organization, trust must be established in the following three ways:

1. Trust must be visible. The members of the organization must see people get credit for knowledge sharing. There is a direct evidence of trust
2. Trust must be ubiquitous. The internal knowledge market must be trustworthy or else the market will be less efficient
3. Trustworthiness must start at the top. Trust tends to flow downward through organizations. Trust value in the organization is identified through

signals, sign and symbols. (Davenport and Prusak, 1998).

Levin and Cross (2004) discovered that trust has a strong moderating effect in the relationship of tie strength and knowledge usage. Without trust, the tie strength would be weak ties to knowledge usage.

Developing trust among employees is crucial in ensuring organizational knowledge development which is critical for continuous innovation (Chowdhury, 2005).

This paper is organized into 4 sections: Section 1 will discuss on knowledge management and organizational effectiveness. Section 2 will discuss the research design. Section 3 is the findings and Section 4 is conclusion.

2.0 Research Design And Methodology

2.1 Hypothesis Development

This paper examines the knowledge management in two ways. The first one is to examine the knowledge management factors of auditing firms to organizational effectiveness. In small firms, knowledge is gained through experiences and associated tacit and explicit learning of an individual (Thorpe et al, 2005). Auditing firms are rich in knowledge, be it from its clients, suppliers and also from its professional staff, particularly auditors. Nunes et al (2006) points out that the knowledge acquisition, storing, application and sharing processes should be regarded as crucial and core by knowledge intensive firms especially a consulting firms. Knowledge management can be described along two dimensions: knowledge sharing and capability to create, store, share and use an organization’s explicitly documented knowledge (Lee 7 Choi, 2003). Based on Darroch (2005) and Gold et al (2001) research, knowledge application, dissemination and knowledge protection representing a significant factors of knowledge management in auditing firms. Knowledge is a stock of expertise (Baunmard, 2002) therefore it needs to be disseminating in the organization in making it valuable for the organization.

H1: Knowledge management positively affects organizational effectiveness

The second way is to examine the knowledge management factors to organizational effective with the presence of trust. The advantage of smaller firms is their close networking among the employees. This helps the cultivation of trust among employees. Yli-Renko et al (2001) stress that trust enhances knowledge acquisition by improving access to the external sources of knowledge, by increasing the willingness and ability of exchange partners to identify exchange and assimilate knowledge and by improving the breadth and efficiency of knowledge transfer. However, Politis (2003) argues that trust should exist prior to knowledge acquisition in improving team

performance. Trust, either benevolence or competence, improves the usefulness of tacit and explicit knowledge exchange or knowledge management (Levin and Cross, 2004). Trust as social capital can be a factor in determining organization capacity for knowledge management (Hoffman et al, 2005).

H2: Trust influence the affect of knowledge management on organizational effectiveness

Based on the literature review and hypotheses developed, a framework – to guide the study – was developed as Figure 1.

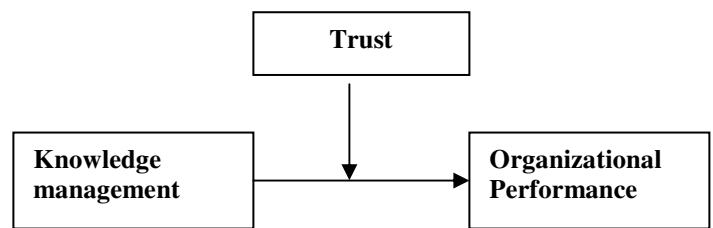


Figure 1: Proposed Model

2.2 Data and Measures

The aim of this study is to evaluate the effects of knowledge management on organizational effectiveness. Knowledge management was measured using items from Gold et al (2003), Chang et al (2005), Darroch (2004) and Egbu et al (2005). Trust was measured using items from Yli-Renko et al (2001), Nahapiet and Ghosal (1998) and Lee and Choi (2003). Organizational effectiveness was measured using items from Gold et al (2003) and Cameron and Quinn (1999). All items were measured on a seven point Likert-type scale where 1 = strong disagree and 7 = strongly agree.

The sample was drawn from auditing firms in Malaysia. The list of auditing firms was obtained for Malaysian Institute of Accountants which is the statutory body to administer the auditing firms in Malaysia. 500 questionnaires had been distributed by mail. Two weeks after distribution, a phone call was made as a reminder. Only 232 questionnaires are useable which indicated 42% response rate which is considered an effective response rate.

Most of respondents are female which contributed 68% of total respondents. 41% auditors and tax executives participated followed by managers (30%), administrative personnel (20%) and partners inclusive senior partners (8%). 78% of respondents are from auditing firms that have been operating for more than 10 years. Most of respondents are from auditing firms that have more than 3 partners (36%) which followed by auditing firms of 2

partners (32%). Most of firms participated have more than 20 employees (51%).

3.0 Results And Discussion

The reliability test was carried out to determine the reliability of the questions. Reliability analysis provides information about the relationships between individual items in a scale. When a previously validated instrument has been adopted, a higher cut-off value of 0.7 or higher may be used (Nunnally, 1978). Since all the Cronbach’s Alpha values are over the critical point of 0.7 shows that the survey’s reliability is accepted.

Table 2: Reliability Test

Variable	Items	Cronbach’s Alpha
Knowledge Acquisition	15	0.919
Knowledge Conversion	10	0.935
Knowledge Application	17	0.962
Knowledge Storing	16	0.919
Knowledge Dissemination	13	0.898
Knowledge Protection	10	0.942
Trust	11	0.959
Organizational Effectiveness	16	0.964

The result reveals strong correlations in all knowledge management factors and organizational effectiveness. The correlation data is shown in the Table 3.

Table 3: Correlation of Knowledge Management dimensions and Organizational Effectiveness

		Organizational Effectiveness
Pearson Correlation	Knowledge Acquisition	0.650
	Knowledge Conversion	0.574
	Knowledge Application	0.697
	Knowledge Storing	0.675
	Knowledge Dissemination	0.742
	Knowledge Protection	0.681

Gold et al (2001) found that knowledge management process capability of knowledge acquisition, conversion; application and protection have strong magnitude towards each other.

Hypothesis H1 examines the effects of knowledge management on organizational effectiveness. To investigate this relationship, the knowledge management factors are entered in a single block. There is a positive relationship between knowledge management and organizational effectiveness. The proposed model is significant (F = 71.589; p<0.00); it explains 65% of variance in organizational effectiveness. The knowledge acquisition, dissemination and protection are found to be essential for organizational effectiveness especially knowledge application has a significant positive influence on organizational effectiveness ($\beta = 0.428$, t value = 4.847, p<0.00). The strong relationship between knowledge management and organizational effectiveness is supported by Gold et al (2001), Lee and Sukoco (2007) and Lee and Choi(2003). This finding is also supported by Darroch (2005) that found knowledge acquisition, knowledge dissemination and responsive to knowledge are positively affect firm performance and innovation. In this study, knowledge application, conversion and storing are not significantly affect organizational effectiveness which is contrast as stated by Nunes et al (2005) that highlighted the importance of knowledge storing and application to consulting firms. The collinearity statistic of B showed the value which is not close to 0 which means there is no multicollinearity among the factors. Therefore H1 is supported

In hypothesis H2, it is to investigate the role of trust as our moderating variable, regression analysis showed that with trust, the model is significant as whole (F = 71.953; p<0.00); it explains 69% of variance in organizational effectiveness which is better than the first model. Therefore, trust improves the relationship of knowledge management and organizational effectiveness. Hence, the H2 that trust improves the relationship of organizational effectiveness is supported.

Whether knowledge management is being practiced in the organization, 83% respondents agreed that knowledge management is practiced in their firms, 11 % disagree and 5% didn’t know whether knowledge management is practiced in their firms. Out of that population, 10% auditors didn’t know whether knowledge management is exist in their firms while another 10% did not know what knowledge management is. This could be true as stated by Desouza and Awazu (2006) in their study found that SME knowingly or unknowingly manage knowledge which some has mechanisms for knowledge management while other conduct it in the peripheral.

4.0 Conclusion

The positive relationship between knowledge application, knowledge dissemination and knowledge protection is supported by findings done by Gold et al (2003) which

was done on finance and manufacturing of large firms with sales profit over USD100 million. Large auditing firms have more advantages in developing an extensive knowledge management systems compared to small auditing firms. This result also supported by Darroch (2004) that found the positive relationship between knowledge management and organizational effectiveness particularly knowledge dissemination. Knowledge protection is very important in auditing industry, however, in this study; knowledge dissemination is more significant in the industry. This is due to the environments of auditing firms that auditors have to share their knowledge as they are working in a team. However, auditing firms are still lacking of knowledge acquisition, knowledge creation and knowledge storing. Knowledge management requires a major shift and commitment of everyone in the organization in adopting each factor of knowledge management to make it works (Gupta et al, 2000). Working together as a team on various projects has developed a good culture and commitment among auditors that encourage knowledge application and dissemination. Knowledge is a stock of expertise (Bauinard, 2002) therefore it needs to be disseminating in the organization in making it valuable for the organization. Trust is important in network relationship for firms to create and disseminate knowledge (Gold et al, 2001). In this study, trust moderate the effect of knowledge management and organizational effectiveness which proved that trust is very important in knowledge flow in the organization (Yli-Renko et al, 2007). This is definitely true in auditing firms where every knowledge and information is considered confidential and classified. Furthermore; it is the nature of auditing firms of being careful and discreet in handling their information especially of their clients. The setting of auditing firms emphasize on the importance of knowledge protection and trust which further strengthens the network relationships internally consequently enhance the organizational effectiveness. Trust makes knowledge management process more efficient (Hoffman et al, 2005). This study has given some insights of knowledge management practice in auditing firms especially in Malaysia. Unlike large auditing firms like Andersen and Ernst and Young (Davenport and Prusak, 1998) which have allocated a big budgets and a lot of efforts to develop their knowledge management system, knowledge management is consider still at infancy in Malaysia (Tat & Hase, 2007). According to Hansen et al (1999), the consulting business normally employs two very different knowledge management strategies, codification and personalization. In codification strategy, knowledge is carefully codified and stored in databases which focus on computers whereby in personalization strategy, knowledge is closely tied to the person who developed it and is shared mainly through direct person-to-person contacts. Auditing firms in Malaysia are more towards personalization strategy where

only certain parts of knowledge management are practiced. However, ignorance in knowledge storing particularly might be very costly for auditing firms in future. They might loose an edge over the larger auditing firms which knowledge stored in form of procedures, patents, the like (Thorpe et al, 2005) which give them advantage to be competitive. The positive outcome of this study shows that auditors realized the importance of knowledge management and this definitely will embark a new opportunity for auditing firms to develop their own knowledge management system in order to be competitive in a long run.

5.0 References

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